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MALDON
RURAL DISTRICT COUNCIL

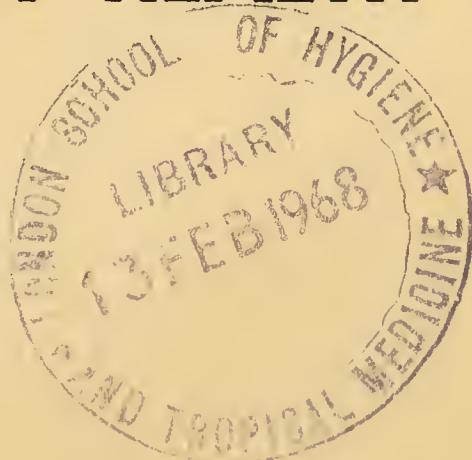
Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

FOR

1961



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MALDON
RURAL DISTRICT COUNCIL

Annual Report

OF THE

MEDICAL OFFICER OF HEALTH

FOR

1961

*W. H. Houldershaw, Ltd.,
— Southend-on-Sea —*

PUBLIC HEALTH COMMITTEE, 1961

Chairman of the Council : Councillor Mr. W. Binder, J.P.

Vice Chairman of the Council : Councillor Mr. G. H. Barber.

Chairman : Councillor Mr. G. H. Barber.

Vice Chairman : Councillor Mr. A. F. Ratcliff.

Members : Councillors Mrs. W. N. Nix.

Mr. J. C. Bowles.

Mr. H. G. Butt.

Mr. A. B. Foxlee.

Mr. A. Green.

Mr. A. E. Hampton.

Dr. J. G. Madden.

Mr. M. J. Parker.

Mr. G. W. Playle.

Mr. W. H. Roland Still.

PUBLIC HEALTH STAFF.

Clerk to the Rural District Council L. H. Hiscocks

Medical Officer of Health ... Thomas D. Blott, B.Sc., M.B., B.S., D.P.H., who also acts in this capacity for the Borough of Maldon, Urban District of Burnham-on-Crouch and the Rural District of Chelmsford.

Surveyor and Water Engineer ... I. M. Nicholson, M.I.Mun.E.,
A.M.I.S.E.

Senior Public Health Inspector ... G. L. Turner.

Deputy Public Health Inspector ... L. F. Newnham.

Additional Public Health Inspector ... R. F. Coldham. From 1-3-61.

Housing Assistant ... V. A. Arnold.

Clerk to Public Health Inspectors Mrs. J. M. Goodrich.

Clerk to Medical Officer of Health Mrs. E. M. Rezelman. Until
(Part-time). 14-4-61
Miss S. A. Moye. From 24-7-61

COUNCIL OFFICES,
WANTZ ROAD,
MALDON,
ESSEX.

October, 1962.

**To the Chairman and Members of the
Maldon Rural District Council**

Mr. CHAIRMAN, LADIES AND GENTLEMEN,

I present for your consideration my Annual Report for 1961.

During the year 270 cases of Infectious Diseases were notified, the increase in the Infectious Disease notifications from 131 was due to an outbreak of measles centred largely amongst young school children. I hope that this disease will soon be dealt with by immunization.

The main public health problems during the year have been associated with defects of drainage and sewerage and very necessary schemes for the extension of sewers and sewage disposal are referred to at length later in this report.

I think that in addition some thought will have to be given by the Town and Country Planning authorities to the advisability of permitting further developments in selected areas. The general public appear determined to visit certain beauty spots in the area for holiday purposes, and I feel it would be better to recognise this fact and permit proper developments including adequate sewerage, than to leave these areas unattended to become sources of infection and nuisance.

I wish to express my thanks to the members and officers of the Council who have freely given me their help and advice throughout the year.

I have the honour to be, Madam and Gentlemen,

Your obedient Servant,

T. D. BLOTT.

PREVALENCE OF AND CONTROL OVER INFECTIOUS DISEASES.

Notifiable Diseases (other than Tuberculosis) during 1961.

Two hundred and seventy cases of notifiable diseases (exclusive of Tuberculosis) came under observation compared with one hundred and thirty-one for the previous year.

Notifiable Disease		Total Cases	Age Groups										Cases admitted to Hospital	
			Under 1	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	
Scarlet Fever	14	—	1	—	1	3	8	—	1	—	—	—	—
Whooping Cough	10	2	—	—	—	—	8	—	—	—	—	—	—
Measles	222	3	13	23	25	25	106	23	3	—	1	—	—
Pneumonia	15	—	—	1	—	2	—	—	3	—	2	7	—
Food Poisoning	3	—	—	—	1	1	—	—	—	1	—	—	—
Acute Poliomyelitis	—	—	—	—	—	—	—	—	—	—	—	—	—
Erysipelas	—	—	—	—	—	—	—	—	—	—	—	—	—
Acute Infective Hepatitis	5	—	—	—	—	—	—	—	—	—	3	2	—
Dysentery	1	—	—	—	—	—	—	—	—	—	1	—	—
Totals		270	5	14	24	27	31	122	23	7	1	4	5	7

The above table shows the distribution of infectious diseases by age throughout the population of the district.

Tuberculosis.

New Cases and Mortality during 1961.

Particulars are given in the following table of new cases of Tuberculosis and of deaths from the disease in the area during 1961.

Age Groups	* New Cases				Deaths			
	Respiratory		Non-Respiratory		Respiratory		Non-Respiratory	
	M.	F.	M.	F.	M.	F.	M.	F.
Under 1 ...	—	—	—	—	—	—	—	—
1—5 ...	1	—	—	—	—	—	—	—
5—10 ...	2	—	—	—	—	—	—	—
10—15 ...	—	—	—	—	—	—	—	—
15—20 ...	—	—	—	—	—	—	—	—
20—25 ...	—	—	—	—	—	—	—	—
25—35 ...	—	—	—	—	—	—	—	—
35—45 ...	1	1	—	—	—	—	—	—
45—55 ...	2	—	—	—	—	—	—	—
55—65 ...	—	—	—	—	—	—	—	—
65 and over ...	2	—	—	—	—	—	—	—
TOTALS	8	1	—	—	—	—	—	—

* Not including cases of Tuberculosis removed into the district during the year which had been previously notified elsewhere.

Table showing local distribution of infectious diseases notified during 1961.

GENERAL PROVISION OF HEALTH SERVICES FOR THE AREA.

Hospital treatment for patients in the area is the responsibility of the Regional Hospital Boards.

The Children's Department of the Essex County Council is responsible for the welfare of children and young persons in the area.

AMBULANCE FACILITIES

These are provided by the Essex County Council and the Ambulance Station for the area is in Spital Road, Maldon.

CLINICS AND TREATMENT CENTRES (provided by the County Council).

Tuberculosis Dispensary :

St. Peter's Hospital, Maldon ; each Friday, 2—5 p.m.

Maternity and Child Welfare Centres :

Mayland	Henry Samuel Hall	4th Thursday in each month	Doctor in attendance
Bradwell-on-Sea	Village Hall	1st Wednesday in each month	Doctor in attendance
Southminster	Baptist Chapel School Room	4th Monday in each month	Doctor in attendance
Tollesbury	Institute	1st and 3rd Tuesdays in each month	Doctor attends 3rd Tuesday
Wickham Bishops	Church Room	2nd Wednesday in each month	Doctor in attendance
Althorne	Village Hall	3rd Wednesday	Doctor in attendance once a quarter
Great Totham	Village Hall	4th Wednesday	Doctor attends all sessions

Maternity and Child Welfare Centres—contd.

Cold Norton	Village Hall	4th Tuesday in each month 1.45 p.m.	Doctor in attendance
Tillingham	Village Hall	2nd Thursday in each month 2.30 p.m.	Doctor in attendance
Heybridge	Waring Hall	2nd and 4th Tuesdays in each month 2.30 p.m.	Doctor attends 2nd Tuesday
Maldon	Health Centre	Every Friday 2 p.m.	Doctor attends 1st, 3rd, and 5th Fridays
*Woodham Walter	Women's Institute Club Room	Last Thursday in each month 2 p.m.	Doctor in attendance on 5th Thurs.
Goldhanger	Village Hall	3rd Thursday in each month 2 p.m.	Doctor in attendance
Tolleshunt D'Arcy	Village Hall	1st Thursday in each month 2.30 p.m.	Doctor in attendance
Woodham Mortimer	Village Hall	2nd Thursday in each month 2—4 p.m.	No doctor in attendance
Latchingdon	Village Hall	1st Thursday in each month	Doctor attends all sessions

*This Clinic has the Medical Officer in attendance only when there are 5 Thursdays in the month and the Clinic is held on that Thursday instead of 4th Thursday.

Ante-Natal Clinics

Health Centre, 3rd and 5th Monday in Doctor in
Wantz Chase, Maldon each month 10 a.m. attendance

Women's Welfare Clinic :

Health Centre, 3rd and 5th Monday Doctor in
Wantz Chase, Maldon 10 a.m. attendance

School Clinics :

Orthopaedic After Treatment Centre St. Peters Hospital By appointment
Maldon

Eye Clinic **St. Peter's Hospital, Maldon** **By appointment**

Speech Therapy	Health Centre Wantz Chase, Maldon	Tuesdays, p.m. Thursdays, a.m. and p.m.
----------------	---	---

Dental Clinics are also held at the Maldon Health Centre and other places in the district as and when required.

For operative treatment for the removal of Adenoids and enlarged Tonsils arrangements have been made by the Essex County Education Committee at the following hospitals:—

Chelmsford and Essex, Chelmsford ; St. John's, Chelmsford
and Essex County, Colchester.

Family Planning Clinic :

Coval Lane Clinic Chelmsford Tuesday and Thursday evenings, 6.30 p.m.-8 p.m.

Treatment Centres for Venereal Diseases:

These are situated at Chelmsford and Colchester Hospitals, Oldchurch County Hospital, Romford, and a number of London General Hospitals.

PROFESSIONAL NURSING IN THE HOME.

(a) General Nursing—this is under the supervision of the County Council.

(b) Infectious Diseases. No arrangements have been made by the District Council.

HOME HELPS. Application should be made to the Area Medical Officer of Health at 75, Springfield Road, Chelmsford. (Tel. No. Chelmsford 4891).

LABORATORIES. Public Health Laboratory Service, Chelmsford & Essex Hospital, London Road, Chelmsford.

During the year no action was taken under Section 47 of the National Assistance Act, 1948, which deals with the removal to suitable premises of persons in need of care and attention.

Section 50 of the National Assistance Act, 1948, made the district council responsible for the burial or cremation of the body of any person who had died or been found dead in their area, where no suitable arrangements for the disposal of the body have been or are being made otherwise than by the authority.

No action was taken under the Act during 1960 and since the passing of the Act 12 burials have been carried out.

PUBLIC CLEANSING

Household Refuse

A weekly refuse collection is carried out by contractors in the Parishes of Southminster and Tollesbury and throughout the remainder of the District a fortnightly collection is undertaken.

The more outlying properties have a monthly tins and bottles collection by direct labour.

Collection of Pails

A weekly pail closet collection from all Parishes in the area is carried out by private contractors.

Emptying of Cesspools

The Council commenced a scheme for the emptying of cesspools throughout the District in April, 1961. The scheme allows for a once yearly free emptying; additional emptyings being chargeable to the occupier at the contractor's agreed rate with the Council.

Prevention of Damage by Pests Act, 1949.

The Council operates a rat destruction scheme and employs a full time rat catcher.

Work is carried out on farms, domestic premises and Local Authority undertakings including tips, sewage works and sewers throughout the whole of the Rural District.

During the year 803 visits were made by the rat catcher on treatment work. In addition to the treatment work, inspections are regularly carried out throughout the area.

SANITARY INSPECTION OF THE AREA.

The following table, prepared by the Sanitary Inspector is a classified statement of the number of premises visited, the defects or nuisances discovered, and the action and result of action taken in regard to these.

SANITARY INSPECTION OF THE AREA.

INSPECTIONS		NOTICES		
Nature	Number	Informal	Formal	Total complied with
Dwelling Houses :				
Under Housing Regs.	25	—	—	—
Primary Inspections Re :				
Structural Defects	103	10	—	4
Nuisances	75	6	—	4
Overcrowding	69	—	—	—
Dirty conditions	7	—	—	—
Re Inspections :				
Under Housing Regs.	102	—	—	—
Re Structural defects	593	—	—	—
Nuisances	104	—	—	—
Overcrowding	20	—	—	—
Dirty Conditions	11	—	—	—
Verminous Premises :				
Rats and Mice	4	—	—	—
Other Pests	7	4	—	4
Infectious Diseases				
Inquiries	5	—	—	—
Disinfections	—	—	—	—
Sewage and Drainage :				
House Drainage Inspections	1011	20	—	6
Tests	92	—	—	—
Other Forms Inspections	29	1	—	—
Tests	5	—	—	—
Inspections re cesspools	707	12	—	6
Inspections re sewerage	93	—	—	—
Sanitary Conveniences :				
Dwelling Houses	1398	1	—	1
Other Premises	54	1	—	1
Water Supply :				
Samples taken	63	—	—	—
Other visits	1389	2	—	1
Milk and Dairies Inspections :				
Cowsheds	1	—	—	—
Dairies	9	—	—	—
Milk samples taken	2	—	—	—
Inspections Re :				
Licensed Premises	22	1	—	—
Offices	—	—	—	—
Bakehouses	9	—	—	—
Slaughterhouses	395	—	—	—
Butchers' Shops	14	—	—	—
Food Shops	22	—	—	—
Other Shops	5	—	—	—
Ice Cream, Man. Premises	—	—	—	—
Ice Cream, Dealers' Premises	30	—	—	—
Man. Food Premises	6	—	—	—
Restaurants	3	—	—	—
Factories with Mech. Power	18	—	—	—
Factories without Mech. Power	—	—	—	—
Workplaces	—	—	—	—
Outworkers Premises	3	—	—	—
Places of Entertainment	—	—	—	—
Knackers Yards	4	—	—	—
Schools	5	—	—	—
Rivers, Ditches and Streams	43	6	—	3
Swimming Pools	10	—	—	—
Movable Dwelling	49	—	—	—
Houseboats	4	—	—	—
Fried Fish Shops	5	—	—	—
Stables and Piggeries	6	—	—	—
Improvement Grants :				
Applications	38	—	—	—
Works in progress	508	—	—	—
Annual re-inspections	2	—	—	—
Refuse Collection	124	—	—	—
Refuse Disposal	45	3	—	3
Public Cleansing :				
Nightsoil Collection	29	—	—	—
Cesspool Emptying	42	—	—	—
Sewage Disposal	18	—	—	—
Miscellaneous Inspections	106	—	—	—
TOTALS	7543	67	—	33

Smoke Abatement. No cause for action occurred throughout the year.

Swimming Baths and Pools. There is a small open-air salt-water pool at Tollesbury from which samples are regularly taken during the swimming season. All the samples taken during the year gave satisfactory results.

Knackers' Yards. There is one in the district, situated in the parish of Purlcigh.

Houseboats. During the year 13 licences to moor or place houseboats were granted under the Essex County Council Act, 1952, Part VII. These are situated in the parishes of Althorne, North Fambridge, Latchingdon and Tollesbury.

Bakehouses. There are 6 in the district, situated in the following parishes :—Goldhanger 1, Tillingham 1, Tollesbury 2, and Wickham Bishops 2.

Regular inspections are carried out. On each inspection the conditions were found satisfactory.

Moveable Dwellings.

THE CARAVAN SITES AND CONTROL OF DEVELOPMENT ACT, 1960.

During the period to which this report relates 27 applications for licences under the above Act were received, and 82 licences were issued.

ADMINISTRATION OF THE FACTORIES ACT, 1937.

1.—Inspections for the purposes of provisions as to health.
Including inspections made by Public Health Inspectors.

Premises	Number on Register	Number of		
		Inspections	Written Notices	Occupiers Prosecuted
(i) Factories in which Sections 1, 2, 3, 4 and 6 are to be enforced by Local Authorities	12	—	—	—
(ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority	58	18	—	—
iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises)	7	10	—	—
TOTAL ...	77	28	—	—

2.—Cases in which Defects were found.

Particulars	Number in which defects were found				Number of Cases in which Prosecutions were Instituted
	Found	Remedied	Referred to H.M. Inspector	Referred by H.M. Inspector	
Want of Cleanliness (S.1)	1	1	—	—	—
Overcrowding (S.2) ...	—	—	—	—	—
Unreasonable Temperature (S.3) ...	—	—	—	—	—
Inadequate Ventilation (S.4) ...	—	—	—	—	—
Ineffective Drainage of Floors (S.6) ...	1	1	—	—	—
Sanitary Conveniences (S.7):					
Insufficient ...	1	1	—	—	—
Unsuitable or Defective ...	1	—	—	1	—
Not separate for sexes	—	—	—	—	—
Other Offences against the Act (not including offences relating to out-work) ...	—	—	—	—	—
TOTAL ...	4	3	—	1	—

OUTWORK (Sections 110-111)

17

Nature of Work	Section 110		Section 111		
	No. of out-workers in August list required by Sect. 110 (1) (c) (3)	No. of cases of default in sending lists to the Council	No. of instances unwholesome premises	Notices Served	Prosecutions
Making etc.	4	—	—	—	—
Wearing apparel	—	—	—	—	—
Cleaning and wash-ing ...	—	—	—	—	—
Total ...	4	—	—	—	—

FOOD AND DRUGS ACT, 1955

INSPECTION AND SUPERVISION OF FOOD.

Milk Supply.

There are 24 distributors of milk in the district.

Meat Inspection.

There are licensed in the District two slaughterhouses. A regular inspection is made of all animals killed and the following table shows the number killed throughout the year and the amount of meat condemned as unfit for human consumption.

**Carcases and Offal Inspected and Condemned in whole
or in part during 1961.**

	Cattle Excluding Cows	Cows	Calves	Sheep and Lambs	Pigs	Horses
Number killed (if known)	843	503	65	1,470	2,013	—
Number inspected	843	503	65	1,470	2,013	—
<i>All diseases except Tuberculosis and Cysticerci</i>						
Whole carcases condemned	—	—	—	1	—	—
Carcases of which some part or organ was condemned	71	36	—	14	50	—
Percentage of the number inspected affected with disease other than tuberculosis and cysticerci	8.4	7.1	—	1.4	2.4	—
<i>Tuberculosis only :</i>						
Whole carcases condemned	—	—	—	—	—	—
Carcases of which some part or organ was condemned	—	—	—	—	9	—
Percentage of the number inspected affected with tuberculosis	—	—	—	—	.43	—
<i>Cysticercosis :</i>						
Carcases of which some part or organ was condemned	6	—	—	—	—	—
Carcases submitted to treatment by refrigeration	—	—	—	—	—	—
Generalised and totally condemned	—	—	—	—	—	—

WATER SUPPLY.

A piped water supply from the mains owned by the District Council was available to 96 per cent of the population. The figures for each parish are set out in the table below.

The supply is augmented from two local works :—

Springs at Warren Bottom and Jacobs Well, Woodham Walter.

Springs at Asheldham.

The supplies from these two works are chlorinated.

Under the Southend Waterworks Act and the South Essex Waterworks Act, the District Council has certain legal rights to be supplied by these companies with a bulk supply of water.

The following table gives details of the water supplied to the District for the year ending 31st March, 1962 :—

Source of Supply	Total Gallons	Average Daily
South Essex Waterworks Co. ...	147,707,000	405,000
Southend Waterworks Co. ...	102,893,000	282,000
Lexden and Winstree R.D.C. ...	—	—
Chelmsford	—	—
Total Amount Purchased ...	250,600,000	687,000
<i>Own Supplies—</i>		
Asheldham	6,196,000	17,000
Warren Bottom, Woodham Walter	20,408,000	57,000
Jacobs Well, Woodham Walter ...	34,223,000	93,000
Total	60,827,000	167,000
Total supplied from all Sources ...	311,427,000	854,000

The total amount of water supplied for the previous year was 264,112,000 gallons. During 1961-1962 there were 834 meters in use for non-domestic purposes.

Daily consumption per head per day on an estimated population of 17,000 (this figure includes the labour camp at the Nuclear Power Station, Bradwell-on-Sea, and also the considerable increase in population on the Riverside Estates during the summer months):—

Domestic	...	23 gallons
Trade	...	27 gallons
		—
Total	...	50 gallons

Summary of Work Carried Out by Waterworks

Department

<i>Description</i>		<i>Year ending 31.3.61</i>	<i>Year ending 31.3.62</i>
New services installed	...	132	149
New meters installed	...	36	22
Meters changed on existing supplies	...	30	20
Meters removed from existing supplies	...	1	11
Services repaired	...	125	199
Services disconnected	...	—	8
Mains repaired	...	53	72
New Valves and Hydrants fixed	...	6 V 9 H	21 V 31 H
Valves and Hydrants repaired		30 H 26 V	23 H 18 V
New mains laid (Asbestos Cement)	2,299 yds.		509 yds.
Mains renewed (Asbestos Cement) (Polythene)	165 yds. 400 yds.		7,191 yds.

Total mileage of Water Mains of all sizes at 31.3.62, 177 miles.

**RECORD OF HABITABLE HOUSES AND WATER
SUPPLY AS AT 31st DECEMBER, 1961.**

PARISH	Habitable Houses (not including Huts or Vans)	No. of Houses on Domestic Water Supply	Within 100 yds. of water main but not supplied	Where piped water supply is not available
Althorne ...	168	168	—	—
Asheldam ...	52	50	—	2
Bradwell-on-Sea ...	253	244	4	5
Braxted, Great ...	122	88	7	27
Braxted, Little ...	45	43	2	—
Cold Norton ...	170	170	—	—
Dengie ...	51	45	—	6
Fambridge, North ...	108	107	—	1
Goldhanger ...	175	169	2	4
Hazeleigh ...	39	29	—	—
Langford ...	59	45	1	13
Latchingdon ...	298	298	—	—
Mayland ...	175	170	5	—
Mundon ...	99	99	—	—
Purleigh ...	327	325	—	2
St. Lawrence ...	139	139	—	—
Southminster ...	683	663	2	18
Steeple ...	143	140	1	2
Stow Maries ...	63	63	—	—
Tillingham ...	293	269	15	9
Tollesbury ...	577	570	4	3
Tolleshunt D'Arcy ...	293	273	9	11
Tolleshunt Knights ...	146	146	—	—
Tolleshunt Major ...	126	117	3	6
Totham, Great ...	446	433	4	9
Totham, Little ...	91	80	4	7
Ulting ...	45	29	4	12
Wickham Bishops ...	305	260	6	39
Woodham Mortimer ...	140	136	3	1
Woodham Walter ...	180	149	12	19
TOTALS ...	5811	5527	88	196

Number of properties served by communal standpipes.

Parish	No. of Standpipes	Properties served
T. Major, Pennysbrook ...	1	7

**Number of Properties in District receiving water supply
other than from Maldon Rural District Council.**

Langford and Ulting	...	16	Supplied direct by Southend Waterworks
Cold Norton	...	5	Supplied direct by Southend Waterworks
Ulting	...	3	Supplied by Braintree R.D.C.
Woodham Mortimer	...	4	Supplied by Maldon Borough Council
Goldhanger	...	1	Supplied by Maldon Borough Council
Little Tothan	...	5	Supplied by Maldon Borough Council

Number of Properties outside Maldon Rural District supplied by Maldon Rural District Council.

Witham	...	...	...	9
Maldon	...	...	...	5

Sample of Water from Woodham Walter Pumping Station

					<i>Chemical Results in Parts per Million</i>
Appearance	...	...	...	...	Bright with a few particles
Turbidity	...	...	...	...	Less than 3
Colour	...	...	...	...	Nil
Odour	...	...	...	...	Chlorinous
pH	...	...	...	...	6.8
Free Carbon Dioxide	...	...	...	...	17
Electric Conductivity	...	...	...	...	480
Dissolved Solids Dried at 180° C	...	...	...	...	345
Chlorine present as Chloride	...	...	...	...	40
Alkalinity as Calcium Carbonate	...	...	...	...	55

	<i>Chemical Results in Parts per Million</i>			
Hardness : Total	190
Carbonate	55
Non-carbonate	135
Nitrate Nitrogen	17
Nitrite Nitrogen	Absent
Ammoniacal Nitrogen	0.000
Oxygen absorbed	0.40
Albuminoid Nitrogen	0.000
Residual Chlorine	0.95
Metals	Absent
Fluoride	0.1

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	0 per ml.
3 days at 20°C.	- per ml.

Presumptive Coli-aerogenes Reaction :

Absent 100 ml.

Bact. coli (Type 1)

Absent 100 ml.

Report

This sample is practically clear and bright in appearance and free from iron and other metals. The water is on the acid side of neutrality and, from the aspect of corrosive activity, a higher pH value is required. The water is moderately hard in character, contains no excess of mineral constituents and it is of very satisfactory organic and bacterial purity. This sample carries, however, a very high content of residual chlorine which is considered greater than desirable in normal circumstances.

Apart from the corrosive characteristics and the high content of residual chlorine the results are indicative of a wholesome water suitable for public supply purposes.

SOUTH ESSEX WATERWORKS COMPANY

ANALYSES OF PURIFIED WATER

AT LANGHAM AND LAYER-DE-LA-HAYE.

(CHEMICAL RESULTS IN PARTS PER MILLION)

	Langham Works	Layer-de-la-Haye Works
	(Average of Weekly Analyses)	(Average of Weekly Analyses)
Total Dissolved Solids ...	495	367
pH Value	7.90	7.90
Residual Chlorine, Cl. ...	0.27	0.28
Chlorides, Cl.	45	41
Nitrate Nitrogen	3.68	0.01
Nitrite Nitrogen	0.001	0.001
Hardness, non-carbonate ...	122	121
,, carbonate	244	121
,, total	366	242
Free Ammonia (NH_3) ...	0.18	0.15
Albuminoid Nitrogen ...	0.09	0.15
Oxygen Absorbed (4 hrs./27°C)	1.22	1.76
Iron (Fe)	0.02	0.01

Bacteriological Examinations

No. of Tests during year ...	314	312
% of samples which were free from Bact. Coli (Type I) in 100 ml.	100.0	100.0
% of samples which were free from Coliform bacteria in 100 ml.	99.7	100.0
Maximum count of Coliform bacteria per 100 ml. ...	1	—

Sample of Water from the Mains of the Southend Water-works Company.

	<i>Chemical Results in Parts per Million</i>				
Appearance	Bright with particles.
Turbidity	Less than 3
Colour	4
Odour	Nil
pH	9.5
Free Carbon Dioxide	Absent
Electric Conductivity	630
Dissolved Solids dried at 180°C.	420
Chlorine present as Chloride	54
Alkalinity as Calcium Carbonate	22
Hardness : Tctal	140
Carbonate	22
Non-carbonate	118
Nitrate Nitrogen	10
Nitrite Nitrogen	Approx. 0.01
Ammoniacal Nitrogen	0.082
Oxygen Absorbed	1.2
Albuminoid Nitrogen	0.072
Residual Chlorine	1.2
Metals : Iron, Zinc, Copper and Lead	Absent
Manganese	Absent.

Bacteriological Results

Number of Colonies developing on Agar :

- 1 day at 37°C. 14 per ml.
- 2 days at 37°C. 16 per ml.
- 3 days at 20°C. 15 per ml.

Presumptive Coliform Reaction Absent 100 ml.

Bact. coli. (Type I) Absent 100 ml.

Cl. Welchii Reaction Absent 100 ml.

Report

This sample is practically clear and bright in appearance and is free from metals. It is alkaline in reaction but not to an excessive degree. The hardness of the water is very moderate and it contains no excess of mineral or saline constituents in solution. The water is of very satisfactory organic quality and bacterial purity.

These results are indicative of a pure and wholesome water suitable for public supply purposes.

Sample of Water from Asheldham Pumping Station

*Chemical Results in
Parts per Million*

Appearance	...	...	...	...	...	Clear and Bright
Turbidity	...	...	...	...	...	Nil
Colour	...	...	...	...	...	Nil
Odour	...	...	...	...	...	Nil
pH	...	...	...	...	...	6·1
Free Carbon Dioxide	...	...	...	...	...	15
Electric Conductivity	...	...	...	...	...	465
Dissolved Solids dried at 180°C.	...	...	...	...	...	310
Chlorine present as Chloride	...	...	...	...	...	36
Alkalinity as Calcium Carbonate	...	...	...	...	...	10
Hardness : Total	...	...	...	...	...	185
	Carbonate	...	...	...	...	10
	Non-carbonate	...	...	...	...	175
Nitrate Nitrogen	...	...	...	...	...	23
Nitrite Nitrogen	...	...	...	...	...	Absent
Ammoniacal Nitrogen	...	...	...	...	...	0·000
Oxygen Absorbed	...	...	...	...	...	0·30
Albuminoid Nitrogen	...	...	...	...	...	0·000
Residual Chlorine	...	...	...	...	...	—
Metals : Zinc, Copper, Lead and Iron	...	...	...	...	...	Absent
Fluorine	...	...	...	...	...	Less than 0.1

Bacteriological Results

Number of Colonies developing on Agar

1 day at 37°C.	0 per ml.
2 days at 37°C.	1 per ml
3 days at 20°C.	- per ml.
Presumptive Coli-form Reaction :	Absent 100 ml.
Bact. coli (Type 1)	Absent 100 ml.
Cl. Welchii Reaction :	—

Report

This sample is clear and bright in appearance and is free from metals. It has however a slightly acid reaction on account of which it will tend to show corrosive characteristics. The hardness of the water is moderate and it contains no excess of mineral or saline constituents. Its organic quality and bacterial purity are of a high standard.

These results are indicative of a wholesome water. For public supply purposes, however, admixture with other water is very desirable to reduce corrosive tendencies.

DRAINAGE AND SEWERAGE

Wickham Bishops and Great Totham

A scheme for the above two villages was approved in principle by the Ministry of Housing and Local Government and negotiations are proceeding for the purchase of the necessary land, preparation of detailed drawings and quantities for the work.

Tillingham

A scheme for the above village also including the White Horse area of Dengie has been approved by the River Board and the Essex County Council and negotiations are proceeding for the purchase of land for pumping stations and disposal works.

Bradwell-on-Sea

A scheme for the village has been approved by the River Board and the Essex County Council but great difficulty is being encountered in the purchase of land for pumping stations and works and very little progress is being made.

St. Lawrence Bay

A preliminary scheme has been prepared for the scwering of this area and it is hoped to negotiate with the Developers of the proposed Stansgate Abbey Chalet Development to have a joint works, but until the result of the Public Inquiry into this Chalet Development is known no further progress can take place.

Purleigh

Work commenced in December 1961, on the sewer extension in Chelmsford Road and Lodge Lane.

Woodham Walter

A scheme has been prepared for the village and submitted to the Essex County Council and the River Board for consideration.

Latchingdon, Mundon, Cold Norton and Stow Maries

The preliminary combined scheme for these villages has been prepared by the Council's Consulting Engineers and detailed plans for the scheme are now in course of preparation.

Althorne, Mayland and Riverside part of Latchingdon

The Council's Consulting Engineers have been instructed to prepare a scheme for these areas.

Tolleshunt D'Arcy, Tolleshunt Major and Little Totham

The Council's Consulting Engineers have been instructed to prepare a scheme for these areas.

SEWERAGE AND SEWAGE DISPOSAL

It can be stated that three Parishes in the District have adequate sewerage and sewage disposal facilities. These are the Parishes of Southminster and Tollesbury, where complete renewals and extensions were carried out some six years ago, and the Parish of Goldhanger where a new sewer was laid. The urgent need of sewerage in other Parishes is being emphasised by increasing development and a series of reports on the lack of sewage facilities over the whole District has recently been made to the Council's Public Health Committee.

Having considered these reports the Council decided to agree to schemes being prepared in the following Parishes and at the present date the Parishes of Wickham Bishops and Great Totham have had a scheme prepared by the Engineer and Surveyor approved by the Ministry and are now awaiting tenders. Schemes

by the Council's Engineer and Surveyor for the Parishes of Bradwell-on-Sea, Tillingham (resewering) and Woodham Walter are being prepared, and are at an advanced stage. It has been recommended to the Council that the sewerage of the Parishes should be considered in the following order :

Cold Norton, Stow Maries, Latehingdon and Mundon.

St. Lawrence and Steeple with the possibility of the Stansgate district subject to development.

Mayland and Maylandsea.

Althorne—Upper and Lower.

Coek Clarks area of Purleigh.

Little Totham and Tolleshunt Major with the possibility of the resewering of Tolleshunt D'Arey.

Tolleshunt Knights.

Woodham Mortimer with possible extension to include Hazeleigh.

Great Braxted.

North Fambridge.

Having received these reports and recommendations the Council agreed that the Council's Consultant Engineers should prepare schemes for the following Parishes : Cold Norton, Stow Maries, Latehingdon, Mundon, Mayland, Maylandsea, Althorne, Little Totham, Tolleshunt Major and the resewering of Tolleshunt D'Arey ; and that the Council's Engineer and Surveyor should prepare schemes for the Parishes of St. Lawrence, Steeple, the Coek Clarks area of Purleigh, Tolleshunt Knights, Woodham Mortimer, Great Braxted and North Fambridge.

PUBLIC HEALTH ACT, 1936—SECTION 47.

Conversion of Pail Closets to Water Closets.

Southminster, Tollesbury, Tolleshunt D'Arcy and Goldhanger.

During the period covered by this report, conversions of pail closets to water closets were carried out at 44 properties, and the Council under the above Section paid 50% towards the cost of conversions at 13 properties.

HOUSING

Statistics for the Year, 1960.

Number of new houses erected during the year :—

Total ...	...	...	...	...	...	...	170
(i) By the Local Authority ...							80
(ii) By other bodies and persons							90

The following table classifies the houses erected and owned by the District Council,

PARISH	4 Bed-room	3 Bed-room	2 Bed-room	Elderly Persons, Flats	Total
Althorne ...	—	—	—	—	—
Asheldham ...	—	5	2	—	7
Bradwell-on-Sea ...	2	12	4	—	18
Braxted, Great ...	—	18	—	—	18
Braxted, Little ...	—	4	—	—	4
Cold Norton ...	—	10	—	—	10
Dengie ...	—	8	—	—	8
Fambridge North ...	—	—	—	—	—
Goldhanger ...	—	62	4	—	66
Hazeleigh ...	—	6	—	—	6
Langford ...	—	—	—	—	—
Latchingdon ...	2	55	23	—	80
Mayland ...	—	12	—	—	12
Mundon ...	—	22	—	—	22
Purleigh ...	2	30	13	—	45
St. Lawrence ...	—	—	—	—	—
Southminster ...	13	166	8	4	191
Steeple ...	1	18	3	—	22
Stow Maries ...	—	18	—	—	18
Tillingham ...	—	51	5	—	56
Tollesbury ...	—	60	8	—	68
Tolleshunt D'Arcy ...	—	56	6	—	62
Tolleshunt Knights ...	—	10	—	—	10
Tolleshunt Major ...	2	13	2	—	17
Totham, Great ...	1	86	7	—	94
Totham, Little ...	—	11	—	—	11
Ulting ...	—	—	—	—	—
Wickham Bishops ...	2	51	4	—	57
Woodham Mortimer ...	—	18	—	—	18
Woodham Walter ...	—	24	8	—	32
TOTALS ...	25	826	97	4	952

The total includes six Coastguard cottages (parlour) re-erected on a new site in Bradwell-on-Sea and buildings at Asheldham and Southminster converted into six dwellings, nine cottages (non-parlour) purchased by the Council at Wickham Bishops, and eighteen agricultural cottages (parlour) at Asheldham (4), Southminster (4), Steeple (6), Tolleshunt D'Arcy (4), 26 houses at Tillingham, 20 houses at Latchingdon and 93 houses at Southminster, (built for and occupied by employees of The Central Electricity Generating Board employed at Bradwell Generating Station).

Housing Act, 1957, Section 17.

During the year 9 Demolition Orders were made, and 3 Undertakings given that houses would not be used for human habitation until they had been made fit for that purpose.

Nine properties were demolished, 4 of these being the subject of Demolition Orders.

Housing (Financial Provisions) Act, 1958

as amended by

House Purchase and Housing Act, 1959.

Improvement Grants

Properties reconditioned and modernised by the provision of amenities such as bathrooms, hot and cold water supplies, drainage work, etc.:

	<i>No. of Applications Received</i>	<i>No. of Applications Approved</i>	<i>No. of Properties Modernised</i>	<i>Total Amount of Grants Paid</i>	<i>Average Grant per Property</i>
Discretionary Grants	40	41	39	£12,158 5. 0.	£311
Standard Grants	14	13	17	£1,565 13. 0.	£92

**Table showing Census Population 1951 and 1931, and
Number of Houses Census 1951 and December, 1960.**

PARISH	Area in statute acres (land and inland water)	Tidal water and fore- shore	Num- ber of Houses 1951	Census Population		Number of Houses at end of Dec. 1961 excl. of hutments
				1951	1931	
Althorne ...	2080	255	150	451	390	168
Asheldham ...	1310	—	51	170	168	52
Bradwell-on-Sea ...	5221	4230	217	680	657	253
Braxted Great ...	2634	—	115	363	282	122
Braxted Little ...	622	—	45	162	116	45
Cold Norton ...	1692	—	129	401	384	170
Dengie ...	2856	1186	45	165	192	51
Fambridge North ...	1242	107	86	278	168	108
Goldhanger ...	1622	—	157	462	353	175
Hazeleigh ...	991	—	34	114	114	39
Langford ...	991	3	44	153	169	59
Latchingdon ...	3992	207	188	595	419	298
Mayland ...	1870	—	141	426	360	175
Mundon ...	3312	—	91	324	251	99
Purleigh ...	5535	87	279	886	770	327
St. Lawrence ...	2139	324	50	151	71	139
Southminster ...	6512	828	472	1444	1403	683
Steeple ...	2709	47	106	330	343	143
Stow Maries ...	1610	82	56	182	165	63
Tillingham ...	4928	2593	241	683	670	293
Tollesbury ...	4839	2019	539	1594	1694	577
Tolleshunt D'Arcy ...	4104	415	248	758	748	293
Tolleshunt Knights	1926	—	183	405	252	146
Tolleshunt Major ...	2253	2	126	403	370	126
Totham Great ...	3589	—	395	1221	982	446
Totham Little ...	1281	—	86	292	293	91
Ulting ...	1034	—	44	132	143	45
Wickham Bishops ...	1606	—	275	866	639	305
Woodham Mortimer	1387	—	105	341	268	140
Woodham Walter ...	2620	—	173	531	514	180
TOTALS ...	78507	12385	4821	14963	13348	5811

STATISTICS AND SOCIAL CONDITIONS OF THE AREA.

Area (acres)	78,507 (land and inland water)
Home Population (estimated June, 1961)	16,280
Census Population, 1951 ...	14,963 (Males 7,331, Females 7,632)
Census Population, 1931	13,348
Number of inhabited houses 1951 census	4,821
Estimated number of houses at end of 1961	5,811
Rateable Value at 1st April, 1961	£165,006
Product of a Penny Rate for the year ending :—	
31st March, 1961	£635 0 0
31st March, 1962	£669 4 7
Persons per household at Census 1951	3.08
Persons per household at Census 1931	3.39
Live Births : Number	276
Live Birth Rate per 1,000 population	14.67
Illegitimate live births per cent of total live births ...	5.5
Still Births : Number	8
Still Birth Rate per 1,000 live and still births ...	28.12
Total live and still births	284
Infant Deaths—(Deaths under 1 year)	2
Infant Mortality Rates	
Total infant deaths per 1,000 total live births ...	28.43
Legitimate infant deaths per 1,000 legitimate live births	36.16
Illegitimate infant deaths per 1,000 illegitimate live births	71.3
Neo-Natal Mortality Rate (deaths under 4 weeks per 1,000 total live births)	36.37
Early Neo-Natal Mortality Rate (deaths under 1 week per 1,000 total live births)	Nil

Perinatal Mortality Rate (stillbirths and deaths under 1 week combined per 1,000 total live and still births	...	...	...	...	...	28.12
Maternal deaths (including abortion)	...	...	...	...	...	Nil
Maternal mortality rate per 1,000 live and still births	...	...	...	...	...	Nil
Deaths :—Male 112 Female 104 Total 216	Crude death rate per 1,000 of estimated resident population					11.11
Registrar General's Comparability Factor of Births Deaths						1.14 0.81
Corrected Death Rate	...	...	...	...	...	9.0
Death Rate for England and Wales	...	...	...	...	...	12.00
Number of deaths under one year of age	...	...	...	...	...	2
Number of deaths under 4 weeks of age	...	...	...	...	...	1

The following tabular statements give details of the number of deaths classified according to age and cause:—

Age	Occurring in district	Number of deaths						
		Of non- residents occurring in district		Of residents occurring outside district		Allotted to district		
		M	F	M	F	M	F	M
Under 1 year	...	2	—	—	—	—	—	2
1 and under	2	—	—	—	—	—	—	—
2 „ „ 5	...	—	—	—	—	—	—	—
5 „ „ 15	...	1	—	1	—	2	—	2
15 „ „ 25	...	—	—	—	—	2	—	2
25 „ „ 35	...	—	—	—	—	—	2	—
35 „ „ 45	...	—	2	—	1	2	2	2
45 „ „ 55	...	3	1	1	—	2	2	4
55 „ „ 65	...	7	4	1	—	4	3	10
65 „ „ 75	...	12	17	1	—	16	9	27
75 and over	...	25	31	1	6	25	26	49
TOTALS	...	50	55	5	7	53	44	98
GRAND TOTALS	...	105	12	97	—	97	—	190

Causes of Death	Males	Females	Totals
Tuberculosis, respiratory.	—	—	—
Tuberculosis, other	—	—	—
Syphilitic disease...	1	—	1
Diphtheria	—	—	—
Whooping Cough...	—	—	—
Meningococcal Infections	—	—	—
Acute Poliomyelitis	—	—	—
Measles	—	—	—
Other Infective and Parasitic Diseases	—	—	—
Malignant Neoplasm, Stomach	2	1	3
Malignant Neoplasm, Lung, Bronchus	1	3	4
Malignant Neoplasm, Breast	—	8	8
Malignant Neoplasm, Uterus	—	—	—
Other Malignant and Lymphatic Neoplasms	12	9	21
Leukaemia, Aleukaemia...	1	—	1
Diabetes	2	—	2
Vascular Lesions of Nervous System	11	18	29
Coronary Disease, Angina	19	13	32
Hypertension with Heart Disease	—	1	1
Other Heart Disease	15	24	39
Other Circulatory Disease	4	5	9
Influenza	2	3	5
Pneumonia	6	2	8
Bronchitis...	6	—	6
Other Diseases of Respiratory System	2	—	2
Ulcer of Stomach and Duodenum	2	—	2
Gastritis, Enteritis and Diarrhoea	—	—	—
Nephritis and Nephrosis	1	1	2
Hyperplasia of Prostate	1	—	1
Pregnancy, Childbirth, Abortion	—	—	—
Congenital Malformations	—	—	—
Other defined and ill-defined diseases	7	4	11
Motor vehicle accidents	1	—	1
All other accidents	3	1	4
Suicide	—	—	—
Homicide and operations of war	—	—	—
Totals	99	93	192

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